YUANZHI ZHU

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EDUCATION BACKGROUND

01/2025- **Ecole Polytechnique, Paris, France**
- PhD student

10/2020-05/2024 **Swiss Federal Institute of Technology (ETH Zurich)**, Zurich, Switzerland
- Master in **Electrical Engineering and Information Technology**
- GPA: 5.616/6.0

10/2019-04/2020 **Technical University of Munich (TUM)**, Munich, Germany
- Exchange Program in **Electrical and Computer Engineering**
- GPA: 4.0/4.0 (1.0/1.0)

09/2016-06/2020 **Beihang University (BUAA)**, Beijing, China
- Bachelor of Engineering in **Electrical Engineering**
- GPA: 3.762/4.0 (90.73/100)

INTERNSHIP EXPERIENCE

07/2024-11/2024 Research Intern at 01.ai**,** (remote)

10/2023-07/2024 Research Assistant at **University of Texas at Austin,** (remote)
- with Prof. Qiang Liu

RESEARCH INTERESTS

Computer Vision and Generative Models: Diffusion Models; Efficient Generative Models; Multi-model Generation; Conditional Generation and Image Restoration

SELECTED PUBLICATIONS (google scholar)

[1] **Yuanzhi Zhu**, Xi Wang, Stéphane Lathuilière, Vicky Kalogeiton. Soft-Di[M]O: Improving One-Step Discrete Image Generation with Soft Embeddings, *ICLR* (2026)

[2] **Yuanzhi Zhu**, Xi Wang, Stéphane Lathuilière, Vicky Kalogeiton. Di[M]O: Distilling Masked Diffusion Models into One-step Generator, *ICCV* (2025)

[3] **Yuanzhi Zhu**, Ruiqing Wang, Shilin Lu, Junnan Li, Hanshu Yan, Kai Zhang. OFTSR: One-Step Flow for Image Super-Resolution with Tunable Fidelity-Realism Trade-offs, *ICLR* (2026)

[4] **Yuanzhi Zhu**, Xingchao Liu, Qiang Liu. SlimFlow: Training Smaller One-Step Diffusion Models with Rectified Flow, *ECCV* (2024)

[5] **Yuanzhi Zhu**, Kai Zhang, Jingyun Liang, Jiezhang Cao, Bihan Wen, Radu Timofte, Luc Van Gool. Denoising Diffusion Models for Plug-and-Play Image Restoration, *CVPRW* (2023) (300+ citations & 400+ GitHub stars)

[6] Zhizhong Zhang*, **Yuanzhi Zhu***, Yue Zhang, Weisheng Zhao, et al. Skyrmion-based Ultra-low Power Electric-field-controlled Reconfigurable (SUPER) Logic Gate, *IEEE Electron Device Letters* (Published as cover in 2019) (* These authors contributed equally to this work)

[7] Hayato Mizuno, Hironari Isshiki, Kouta Kondou, **Yuanzhi Zhu**, and Yoshichika Otani. Influence of Planar Hall Effect on the Output signal in a T-shaped Spin Conversion Device, *Appl. Phys. Lett. 119, 092401* (2021)

SELECTED HONORS & AWARDS

11/2018,11/2019 Academic Competition Scholarship, Beihang University (Twice)
11/2018,11/2019 Academic Excellence Scholarship, Beihang University (Twice)
09/2017, 09/2018 Second Prize in China Undergraduate Mathematical Contest in Model (Twice)
03/2018 China Undergraduate Physics Tournament (CUPT) (Ranked 47/305)
02/2018 Meritorious Winner in The Mathematical Contest in Modeling
12/2017 First Prize in Beijing Undergraduate Physics Competition (Ranked 59/1023, Beijing)
10/2017 First-Class Scholarship, Beihang University
09/2017 First Prize in Beijing Undergraduate Mathematics Competition (Ranked 87/1276, Beijing)

LANGUAGE PROFICIENCY

Chinese (Native); English (C1); German (A2)